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2024

WONST LINEAR MOTION GUIDE LEAFLET

- LINEAR MOTION GUIDE
- CROSSED ROLLER BEARING
- CROSS ROLLER GUIDE WAY
- BALL SCREW & SPLINE
- BALL BUSHING
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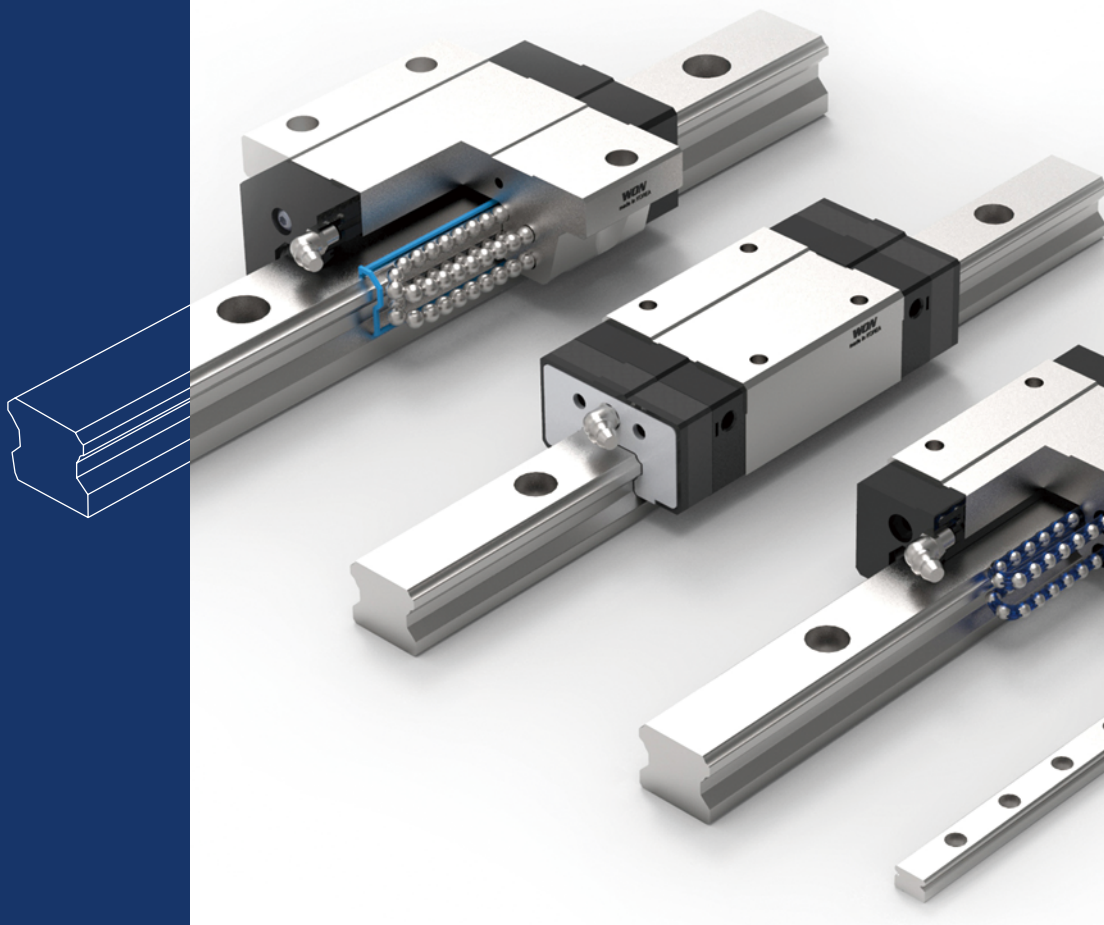
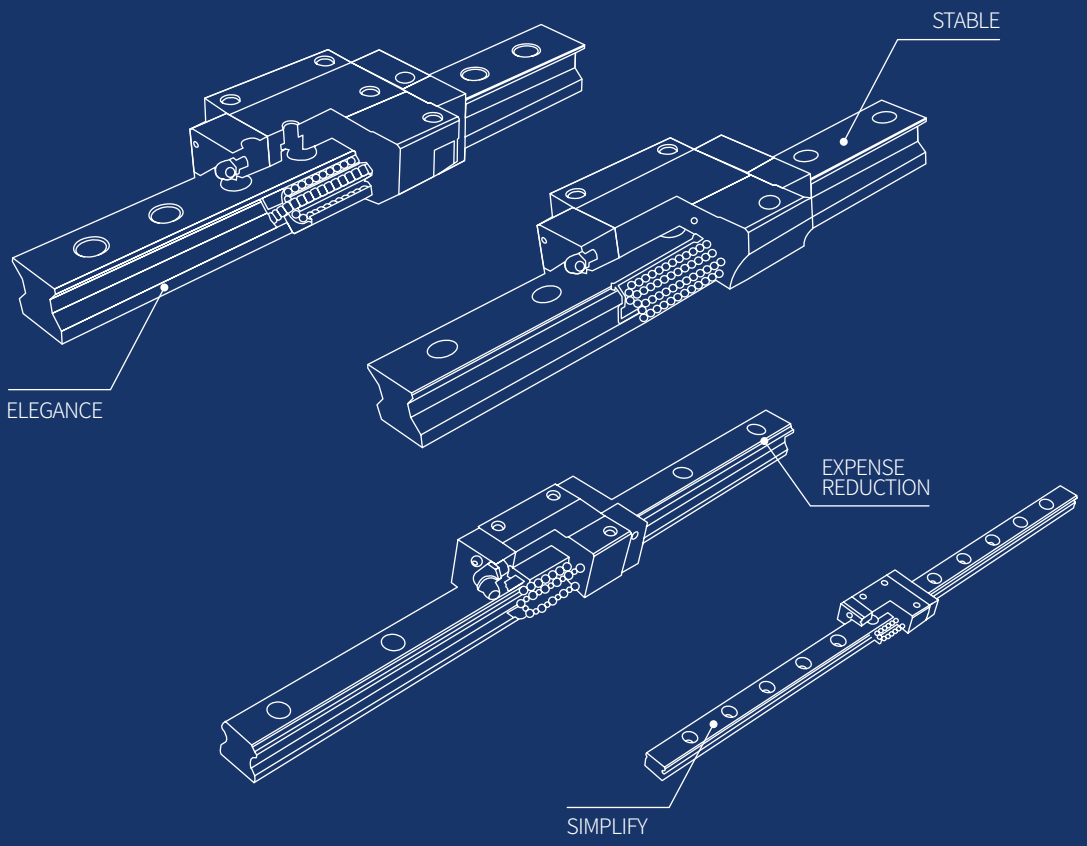


WON
LINEAR MOTION SYSTEM



WON
LINEAR MOTION SYSTEM

HEAD OFFICE & FACTORY

224 Yulam-gil, Paltan-Myeon, Hwaseong-si, Gyeonggi-Do, 18529, KOREA
TEL 031-370-6400 **FAX** 031-352-7380

OVERSEA SALES DIVISION

US Distributor (WON ST, LLC)

14325H WILLARD RD. CHANTILLY, VA 20151
TEL 82-2-855-8484 **FAX** 82-70-8611-3232

株式会社WON STジャ パン

大阪市北区東天満2-9-4千代田ビル東館10F
TEL 06-6450-5583 **FAX** 06-6450-5890
MAIL sai@wonst.co.jp

中国法人

威海- 威海市南海新区
上海- 上海市闵行区光华路 689号 10号楼(H座)

Nhà máy sản xuất Việt Nam

Hậu Nghĩa, Đức Hòa, Long An Province

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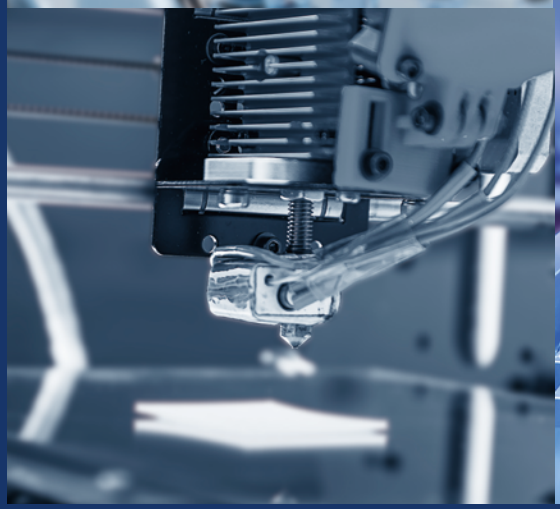
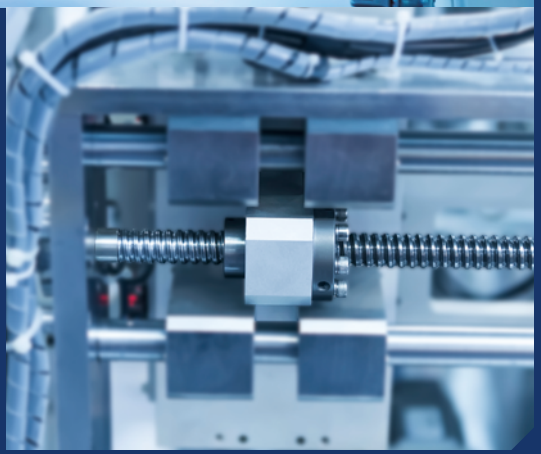
THE BEST LEADER
LINEAR MOTION SYSTEM





CORPORATE STRENGTH

01

35 YEARS OF ACCUMULATED KNOW-HOW AND EXPERTISE

Since its establishment in 1989, WONST has developed specialized capabilities in interpreting rolling motion and sliding motion, as well as expertise in special and heat treatment applications

02

DEVELOPED AND LOCALIZED, CREATING AN IMPORT SUBSTITUTION EFFECT

Our linear motion systems have been recognized for their value under our independent brand

03

COMPETITIVENESS OF THE DOMESTIC AUTOMATION INDUSTRY

We are a leading company in inspection equipment, industrial robots, machine tools, and various automation systems

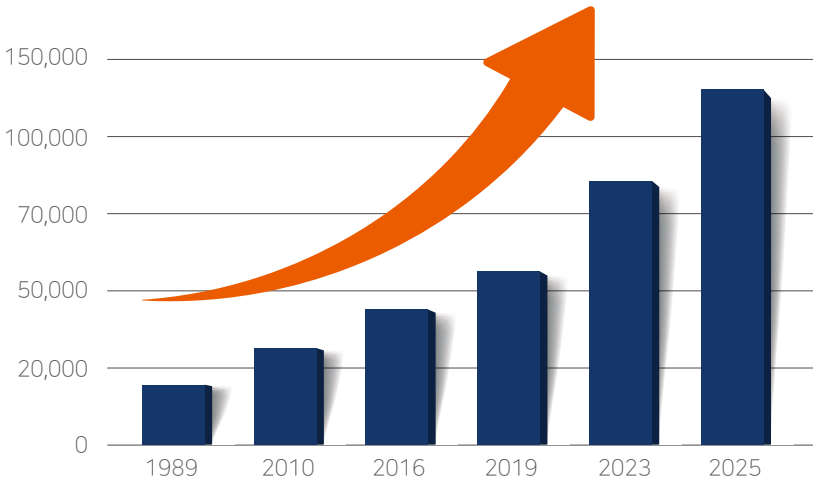
DIFFERENTIATED TECHNOLOGICAL CAPABILITIES

RIGOROUS QUALITY CONTROL

COMPETITIVE PRICING

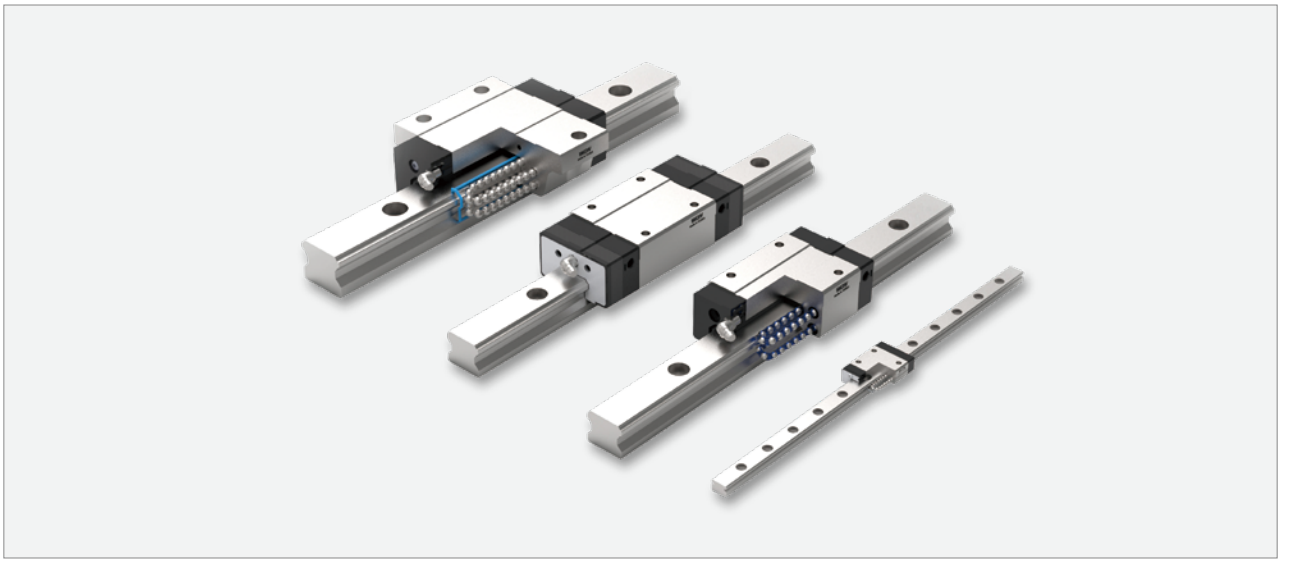
SALES STATUS AND FORECAST

(1 MILLION KRW)



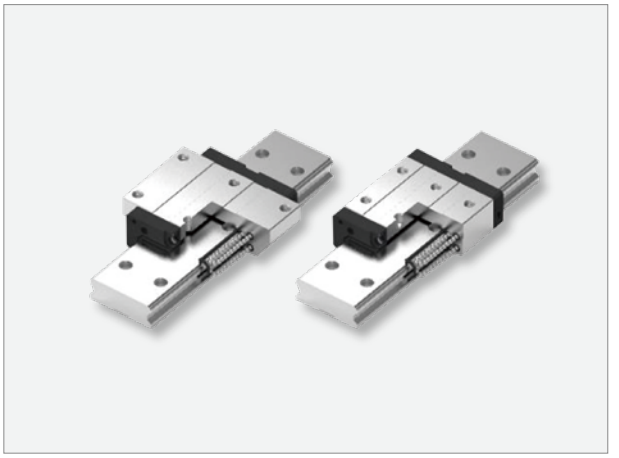
01 LINEAR MOTION GUIDE

INTRODUCTION OF PRODUCT



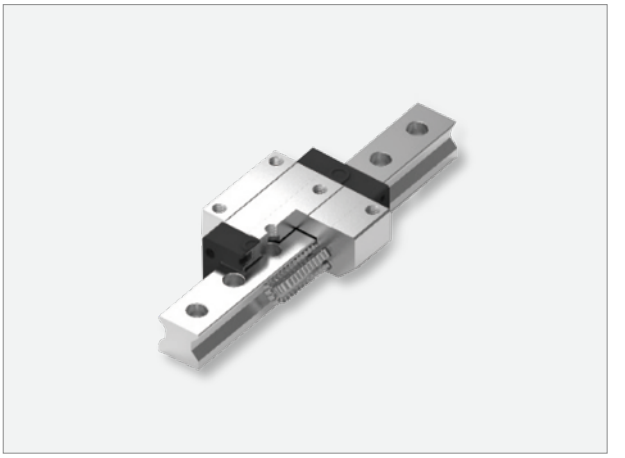
LINEAR MOTION GUIDE

- Frictional resistance is very low, and there is almost no difference between static frictional resistance and dynamic frictional resistance, allowing precise and fine linear movement
- Ideal rolling motion results in low friction coefficient and low wear, making it possible to maintain stable accuracy over a long period of time
- It has low friction and relatively large allowable load and rigidity, it is possible to miniaturize the device, resulting in cost and energy savings
- There is little wear, there is no need to re-adjust the accuracy depending on the lubrication condition



WIDE LINEAR MOTION GUIDE

- It is a low-center, high-rigid structure with a wide rail and a low height
- It has a 4-row circular structure with a ball contact angle of 45° and is a high-rigidity, high-load, 4-point equal load type
- It can be used where a moment acts on one axis and high rigidity is required
- It has stable driving quality and long lifespan

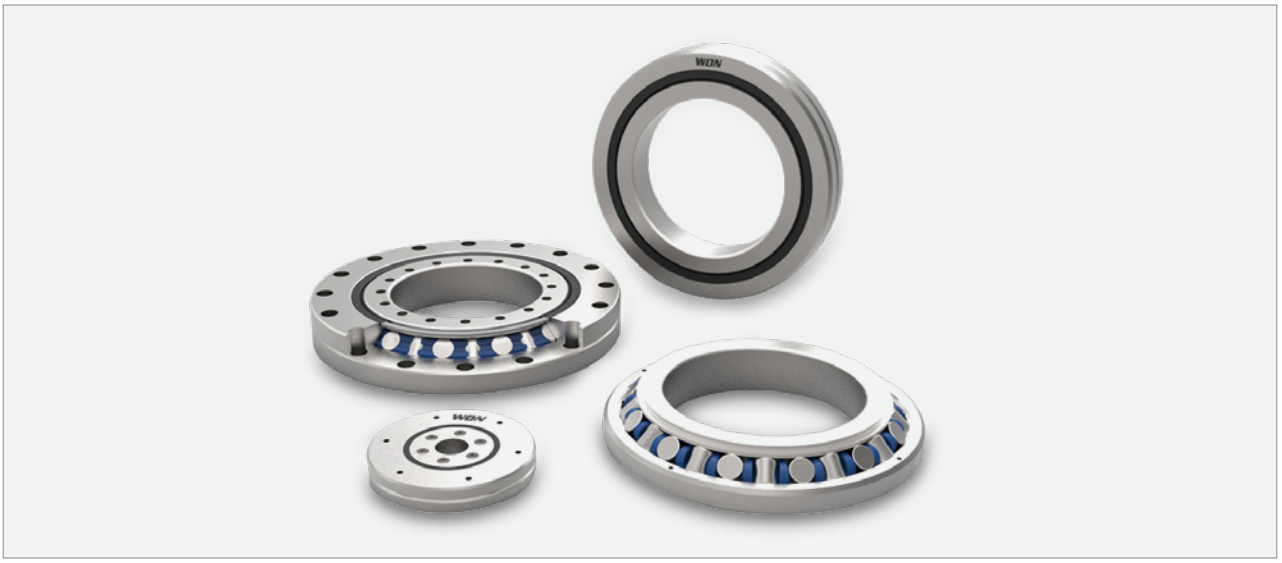


ROLLER LINEAR MOTION GUIDE

- This is a linear motion guide whose rolling elements are rollers
- Compared to the ball type, it is possible to achieve long-term and stable running accuracy
- It is resistant to impact and variable loads and has a short vibration damping time

02 CROSSED ROLLER BEARING

INTRODUCTION OF PRODUCT

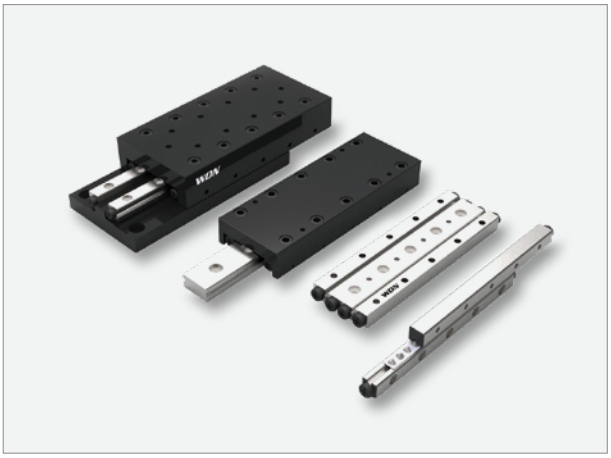


CROSSED ROLLER BEARING

- High-strength, high-load compact type using rollers
- It has about four times the rigidity of thin angular bearings
- Adopted a spacer retainer for preventing skew phenomenon, flat contact, and flat wear of rollers
- It is a structure that can utilize pre-load with smooth driving and excellent rotation
- When applied with light and heavy preloads, rigidity can be improved and displacement due to external loads can be minimized
- There are various product lines such as inner and outer wheel integrated and divided types that are excellent in design application and assembly

03 CROSS ROLLER GUIDE WAY

INTRODUCTION OF PRODUCT



CROSS ROLLER GUIDE WAY

- It is a structure with rollers arranged orthogonally on a rolling surface with a 90° V-groove
- Resistant to vibration, shock, and smooth rolling motion
- The roller pockets molded into the cage are a rolling contact structure that allows the rollers to retain lubricant
- It's a long-life, high load, high rigidity product

ANTICREEP CROSS ROLLER GUIDE WAY

- Pinion and Rack gears are built into the center and rail of the Roller Cage
- Rack and Pinion have anti-slip features on the track surface and the roller
- The rated load, stroke, and assembly dimensions are the same as those of existing products
- It can be designed and produced with customized products

04 BALL SPLINE & SCREW

INTRODUCTION OF PRODUCT

BALL SPLINE

- The track structure of the nut and shaft is divided into two-row gothic arch type and four-row circula arc type
- Radial load, moment load and rotational torque can be transmitted
- Zero gap is possible with pre-load
- Stiffness is improved and displacement is minimized during light and medium preload

BALL SCREW

- Possible for fine movement : Rolling motion by balls allows for low friction and accurate fine movement
- Long lifespan : Because the ball moves in a rolling motion, long-term operation is possible
- Simple lubrication : Due to the rolling motion, lubrication can be done in small amounts and replenished with grease or lubricants

BALL SCREW & SPLINE

- The Ball Screw Shaft is machined with Ball Spline track grooves
- A ball screw and a ball spline nut are combined on one shaft
- The Ball Spline Nut can be rotated or stopped to run in three modes (rotation, straight line, and helix) on one axis

05 BALL BUSHING

INTRODUCTION OF PRODUCT

SUPER BALL BUSHING

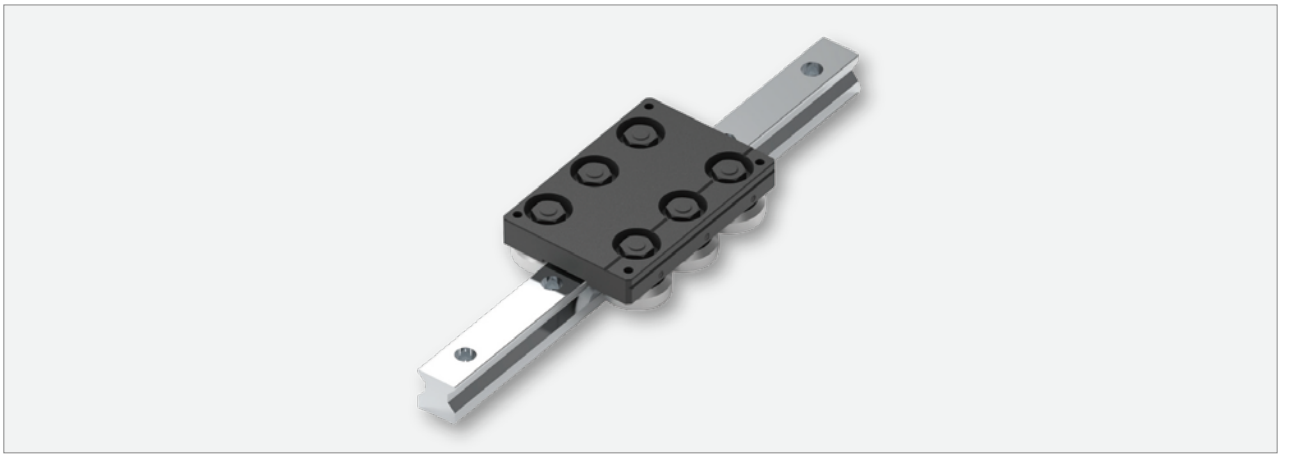
- With the self-aligning function, the dynamic load rating is 3 times that of regular ball bushing and the driving life is 27 times longer
- Even if there is a slight shaft installation error, smooth driving is possible

LINEAR BALL BUSHING

- It is an infinite linear motion system used in combination with a linear motion shaft
- It can be realized with accurate directional guidance and stable driving

06 V GUIDE

INTRODUCTION OF PRODUCT



V GUIDE

- The V-guide consists of a high-frequency heat treated guide rail (HRC58 or higher) and a roller unit
- It is a linear motion system that can be transferred at high speed and has high precision, making it easy to install and maintain with a simple structure
- In the case of the V Guide for LMS, the gap between the rail and the block is driven within a maximum of 0.1 mm on one side
- The track roller is made of double row angular contact ball bearings, which can be loaded in each direction (radial, thrust)